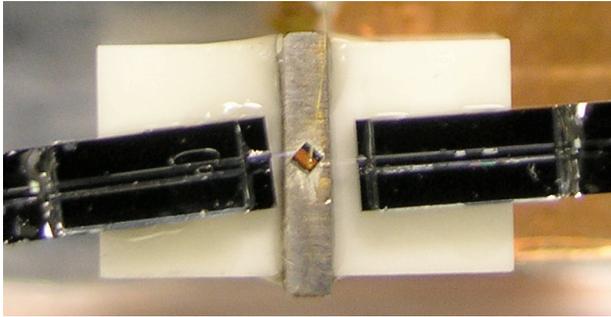




**AP085 – FOR IMMEDIATE RELEASE  
June 28, 2005**



*For more information, contact:  
Bruce Hueners  
Palomar Technologies  
(760)-931-3600  
bwhueners@bonders.com*

*Dr. Paul Magill  
Avo Photonics  
(919) 593-2571  
pmagill@avophotonics.com*

*Collaboration drives product improvement...*

## **PALOMAR TECHNOLOGIES TEAMS WITH AVO PHOTONICS FOR NEW PRODUCT DEVELOPMENT**

VISTA, Calif. (June 28, 2005) – Palomar Technologies, the leader in equipment design and process development for precision microelectronic assembly, has successfully collaborated with Avo Photonics, specialists in RF and optical packaging solutions, for packaging of Luxcore Optronics’s 27dB gain Optical Chip. The partnership takes advantage of Palomar’s leading edge automation technology and Avo Photonics’ advanced assembly process development and experience with the latest in packaging techniques.

The relationship began with collaboration on an optical chip package for Luxcore. Together, Palomar and Avo have completed the initial advanced prototype design and assembly for Luxcore in support of its advanced optical amplifier chip.

Gayle Link, CTO and founder of Luxcore Optronics Inc., initially approached Palomar because of its world-class reputation for designing and building equipment for advanced optoelectronic packaging solutions. “We built the prototype model in-house, but felt that, because of cost constraints, we needed to outsource the manufacturing,” said Link. “We were, of course, unsure about finding the necessary expertise in the marketplace to manufacture a device as complex as the one we had designed. However, Palomar and Avo not only brought the project in on time and under budget, but were able to achieve a 27dB gain on a product that previously had produced gains in the 22dB – 25dB range.”

– more –

“The process transfer for an advanced product design of this nature would not have been possible without the unique type of collaboration that Palomar and Avo Photonics brought to the table. We are looking forward to a continued and expanded relationship with Palomar on new product development now that we’ve demonstrated that this alliance clearly offers something unique and valuable to customers,” said Dr. Paul Magill, VP of business development for Avo Photonics.

“As a total solutions provider, Palomar seeks to leverage its expertise in precision microelectronic assembly equipment by providing services to its customers that enable rapid process development and prototyping of emerging package technologies. The mutual success that Avo Photonics and Palomar have demonstrated on the Luxcore Optronics project is a great example of how technology companies are teaming together to solve today’s packaging challenges,” said Bruce W. Hueners, VP of marketing and business development at Palomar Technologies.

For more information about Palomar Technologies, visit [www.palomartechnologies.com](http://www.palomartechnologies.com) or call 760-931-3600.

For a complete overview of Avo Photonics’ service offerings, visit [www.avophotonics.com](http://www.avophotonics.com) or call 919-593-2571.

### **About Luxcore Networks**

Luxcore Networks is an emerging world leader in all-optical wavelength conversion and advanced photonic switching. The company engineers, manufactures, and markets third-generation, all-optical internetworking subsystems based on advanced physics and manufacturing technologies. Founded in June of 1999, Luxcore Networks is based in Atlanta, Georgia, and is led by a team of seasoned optical physicists and engineers. For more information, please visit [www.luxcore.com](http://www.luxcore.com).

### **About Palomar Technologies**

Palomar Technologies, established in 1975 as part of Hughes Aircraft Company, has been an independent company since 1995. It is a leading supplier of automated high-precision assembly systems that increase yield and lower costs for manufacturers of optoelectronic, RF, and microelectronic packages in the photonic, wireless, microwave, automotive, aerospace, medical, and life sciences industries. Processes include high accuracy component assembly with eutectic solder, epoxy, or laser attach, precision ball and wedge bonding, and active optical align and attach.

Palomar's Process Development and Prototyping Services assists companies in developing or validating new products by providing design, engineering, prototyping, assembly, and automation expertise, as well as metrology resources to bridge the gap between product concept and automated production. For more information, visit [www.palomartechnologies.com](http://www.palomartechnologies.com)

### **About Avo Photonics**

Founded in 2004, Avo Photonics specializes in design and manufacturing solutions for photonic and microelectronic packaging, assembly, and test for the communications, military/ aerospace, and medical/ industrial markets. Avo's mission is to develop cost-effective manufacturing solutions for customers while providing support from design to production for products in all markets. Avo can be found on the Internet at [www.avophotonics.com](http://www.avophotonics.com).

###

*To request the electronic image, call 919-872-8172, or e-mail [rbunnell@btbmarketing.com](mailto:rbunnell@btbmarketing.com)*